

=> s GDNF (3a) receptor#  
L1 835 GDNF (3A) RECEPTOR#

=> s l1 (40a) persephin  
L2 31 L1 (40A) PERSEPHIN

=> duplicate remove  
ENTER L# LIST OR (END):l2  
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L2  
L3 27 DUPLICATE REMOVE L2 (4 DUPLICATES REMOVED)

=> d 1-27

L3 ANSWER 1 OF 27 USPATFULL on STN  
AN 2004:334890 USPATFULL  
TI Cystine knot growth factor mutants  
IN Weintraub, Bruce D., Rockville, MD, UNITED STATES  
Szkudlinski, Mariusz W., Potomac, MD, UNITED STATES  
PI US 2004265972 A1 20041230  
AI US 2004-826324 A1 20040419 (10)  
RLI Continuation of Ser. No. US 2001-813398, filed on 20 Mar 2001, PENDING  
Continuation of Ser. No. WO 1999-US5908, filed on 19 Mar 1999, PENDING  
PRAI WO 1998-US19772 19980922  
DT Utility  
FS APPLICATION  
LN.CNT 14192  
INCL INCLM: 435/069.400  
INCLS: 435/320.100; 435/325.000; 530/397.000; 514/008.000; 536/023.500  
NCL NCLM: 435/069.400  
NCLS: 435/320.100; 435/325.000; 530/397.000; 514/008.000; 536/023.500  
IC [7]  
ICM: A61K038-22  
ICS: C07K014-575; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2004078775 PCTFULL ED 20040922 EW 200438  
TIEN INTRACELLULAR SIGNALING-INDUCED RET-INDEPENDENT GDNF RECEPTOR-EFFECTED  
MORPHOLOGICAL CHANGES  
TIFR CHANGEMENTS MORPHOLOGIQUES INDUITS PAR LA SIGNALISATION INTRACELLULAIRE  
INDEPENDANTE DU RET ET PROVOQUEE PAR LE RECEPTEUR DU GDNF  
IN SARIOLO, Hannu, Oravatie, 15, FIN-00800 Helsinki, FI [FI, FI];  
POPSUEVA, Anna, Merirastilantie 17 H 68, FIN-00980 Helsinki, FI [FI,  
RU];  
SAARMA, Mart, Kulosaaren Puistotie 36 A 4, FIN-00570 Helsinki, FI [FI,  
EE]  
PA LICENTIA LTD, Erottajankatu 19 B, FIN-00130 Helsinki, FI [FI, FI];  
SARIOLO, Hannu, Oravatie, 15, FIN-00800 Helsinki, FI [FI, FI];  
POPSUEVA, Anna, Merirastilantie 17 H 68, FIN-00980 Helsinki, FI [FI,  
RU];  
SAARMA, Mart, Kulosaaren Puistotie 36 A 4, FIN-00570 Helsinki, FI [FI,  
EE]  
AG ACKROYD, Robert, W.P. Thompson & Co., Eastcheap House, Central Approach,  
Letchworth Garden City, Hertfordshire SG6 3DS, GB  
LAF English  
LA English  
DT Patent  
PI WO 2004078775 A2 20040916  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG

MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE  
 SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM  
 ZW  
 W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE ES FI  
 GE HU JP KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK SL  
 TJ TR TT UA UG UZ YU  
 RW (ARIPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC  
 NL PL PT RO SE SI SK TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 AI WO 2004-IB985 A 20040305  
 PRAI US 2003-60/452,219 20030305

L3 ANSWER 3 OF 27 USPATFULL on STN  
 AN 2003:305996 USPATFULL  
 TI Methods for stimulating nervous system regeneration and repair by  
 regulating arginase I and polyamine synthesis  
 IN Filbin, Marie T., New York, NY, UNITED STATES  
 Ratan, Rajiv R., Cambridge, MA, UNITED STATES  
 PI US 2003215428 A1 20031120  
 AI US 2003-275513 A1 20030407 (10)  
 WO 2001-US14364 20010504  
 DT Utility  
 FS APPLICATION  
 LN.CNT 2835  
 INCL INCLM: 424/093.210  
 INCLS: 435/368.000  
 NCL NCLM: 424/093.210  
 NCLS: 435/368.000  
 IC [7]  
 ICM: A61K048-00  
 ICS: C12N005-08  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 27 USPATFULL on STN  
 AN 2002:301743 USPATFULL  
 TI Cystine knot growth factor mutants  
 IN Weintraub, Bruce D., Rockville, MD, UNITED STATES  
 Szkudlinski, Mariusz W., Potomac, MD, UNITED STATES  
 PI US 2002169292 A1 20021114  
 AI US 2001-813398 A1 20010320 (9)  
 RLI Continuation of Ser. No. WO 1999-US5908, filed on 19 Mar 1999, UNKNOWN  
 PRAI WO 1998-US19772 19980922  
 DT Utility  
 FS APPLICATION  
 LN.CNT 13856  
 INCL INCLM: 530/397.000  
 INCLS: 514/008.000; 536/023.500; 435/069.400; 435/325.000; 435/320.100  
 NCL NCLM: 530/397.000  
 NCLS: 514/008.000; 536/023.500; 435/069.400; 435/325.000; 435/320.100  
 IC [7]  
 ICM: A61K038-22  
 ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-575  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 27 USPATFULL on STN  
 AN 2002:213408 USPATFULL  
 TI Methods of increasing distribution of therapeutic agents  
 IN Bankiewicz, Krys, Piedmont, CA, UNITED STATES  
 Hamilton, John, Washington, DC, UNITED STATES  
 Oldfield, Edward, Philomont, VA, UNITED STATES  
 Phillips, Heidi, Palo Alto, CA, UNITED STATES

PI US 2002114780 A1 20020822  
 AI US 2001-999203 A1 20011130 (9)  
 PRAI US 2000-250286P 20001130 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 942  
 INCL INCLM: 424/085.100  
 INCLS: 514/056.000  
 NCL NCLM: 424/085.100  
 NCLS: 514/056.000  
 IC [7]  
 ICM: A61K038-19  
 ICS: A61K031-727  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 27 USPATFULL on STN  
 AN 2002:133468 USPATFULL  
 TI 32 human secreted proteins  
 IN Ni, Jian, Germantown, MD, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Birse, Charles E., North Potomac, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Fiscella, Michele, Bethesda, MD, UNITED STATES  
 Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
 LaFleur, David W., Washington, DC, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES  
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
 Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Soppet, Daniel R., Centreville, VA, UNITED STATES  
 Young, Paul E., Gaithersburg, MD, UNITED STATES  
 Wei, Ping, Brookeville, MD, UNITED STATES  
 Florence, Kimberly A., Rockville, MD, UNITED STATES  
 PI US 2002068319 A1 20020606  
 US 6605592 B2 20030812  
 AI US 2001-800729 A1 20010308 (9)  
 RLI Continuation-in-part of Ser. No. WO 2000-US26013, filed on 22 Sep 2000,  
 UNKNOWN  
 PRAI US 1999-155709P 19990924 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 36956  
 INCL INCLM: 435/069.100  
 INCLS: 435/007.100; 435/325.000; 435/183.000; 536/023.500; 530/388.100  
 NCL NCLM: 514/002.000  
 NCLS: 435/069.100; 435/071.100; 435/071.200; 435/252.300; 435/254.110;  
 435/320.100; 435/325.000; 435/471.000; 514/008.000; 514/012.000;  
 530/350.000  
 IC [7]  
 ICM: C12P021-02  
 ICS: C12N005-06; G01N033-53; C07H021-04; C12N009-00  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 27 USPATFULL on STN  
 AN 2002:4289 USPATFULL  
 TI ARTEMIN, A NEUROTROPHIC FACTOR  
 IN MILBRANDT, JEFFREY D., ST LOUIS, MO, UNITED STATES  
 BALOH, ROBERT H., ST LOUIS, MO, UNITED STATES  
 PI US 2002002269 A1 20020103  
 AI US 1998-220920 A1 19981224 (9)  
 RLI Division of Ser. No. US 1998-218698, filed on 22 Dec 1998, PENDING  
 Continuation-in-part of Ser. No. US 1998-163283, filed on 29 Sep 1998,  
 ABANDONED  
 PRAI US 1998-108148P 19981112 (60)

DT Utility  
FS APPLICATION  
LN.CNT 2669  
INCL INCLM: 530/351.000  
INCLS: 530/839.000; 530/324.000; 536/023.510; 514/012.000; 435/320.100;  
435/325.000; 514/044.000; 530/387.900; 530/388.240; 435/007.100;  
435/006.000  
NCL NCLM: 530/351.000  
NCLS: 530/839.000; 530/324.000; 536/023.510; 514/012.000; 435/320.100;  
435/325.000; 514/044.000; 530/387.900; 530/388.240; 435/007.100;  
435/006.000  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; A61K038-00; C07H021-04; A61K031-70; A01N043-04;  
A61K045-00; C12N015-00; C12N015-09; C12N015-63  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 2003:303993 BIOSIS  
DN PREV200300303993  
TI NEURONAL DEVELOPMENT AND SURVIVAL IN MICE DEFICIENT IN THE GDNF Co -  
RECEPTOR RET.  
AU Oppenheim, R. W. [Reprint Author]; Prevette, D. M. [Reprint Author];  
Gould, T. [Reprint Author]; Enomoto, H.; Milbrandt, J.  
CS Dept Neurobiology and Anatomy, Wake Forest Univ Sch Med, Winston-Salem,  
NC, USA  
SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)  
Vol. 2002, pp. Abstract No. 428.16. <http://sfn.scholarone.com>. cd-rom.  
Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.  
Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)  
LA English  
ED Entered STN: 2 Jul 2003  
Last Updated on STN: 2 Jul 2003

L3 ANSWER 9 OF 27 USPATFULL on STN  
AN 2001:147751 USPATFULL  
TI Artemin, a novel neurotrophic factor  
IN Milbrandt, Jeffrey D., St. Louis, MO, United States  
Baloh, Robert H., St. Louis, MO, United States  
PA Washington University, St. Louis, MO, United States (U.S. corporation)  
PI US 6284540 B1 20010904  
AI US 1998-220528 19981224 (9)  
RLI Division of Ser. No. US 1998-218698, filed on 22 Dec 1998  
Continuation-in-part of Ser. No. US 1998-163283, filed on 29 Sep 1998  
PRAI US 1998-108148P 19981112 (60)  
DT Utility  
FS GRANTED  
LN.CNT 2590  
INCL INCLM: 435/455.000  
INCLS: 435/320.100; 435/325.000; 435/366.000; 435/368.000; 435/383.000;  
435/384.000; 536/023.500  
NCL NCLM: 435/455.000  
NCLS: 435/320.100; 435/325.000; 435/366.000; 435/368.000; 435/383.000;  
435/384.000; 536/023.500  
IC [7]  
ICM: C12N005-00  
ICS: C12N005-08; C12N015-63; C12N015-85; C07H021-04  
EXF 530/350; 514/44; 435/4; 435/320.1; 435/5; 435/29; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2001085981 PCTFULL ED 20020826  
TIEN METHODS FOR STIMULATING NERVOUS SYSTEM REGENERATION AND REPAIR BY  
REGULATING ARGINASE I AND POLYAMINE SYNTHESIS  
TIFR METHODES DE STIMULATION DE LA REGENERATION ET DE LA REPARATION DU  
SYSTEME NERVEUX PAR REGULATION DE L'ACTIVITE DE L'ARGINASE 1 ET DE LA  
SYNTHESE DES POLYAMINES  
IN FILBIN, Marie, T.;  
RATAN, Rajiv, R.  
PA RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK;  
BETH ISRAEL DEACONESS MEDICAL CENTER;  
FILBIN, Marie, T.;  
RATAN, Rajiv, R.  
DT Patent  
PI WO 2001085981 A2 20011115  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS  
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW  
MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB  
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG  
AI WO 2001-US14364 A 20010504  
PRAI US 2000-60/202,307 20000505  
ICM A61K038-50  
ICS A61K038-18; A61K038-20; A61K031-70; A61K031-557; A61K048-00; A61P025-16;  
A61P025-28

L3 ANSWER 11 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2001062795 PCTFULL ED 20020822  
TIEN COMPOUNDS RELATED TO OR DERIVED FROM GFra4 AND THEIR USE  
TIFR COMPOSES LIES A GFR&Agr;4 OU DERIVES DE CELUI-CI ET UTILISATION  
IN AIRAKSINEN, Matti;  
SAARMA, Mart;  
POTERIAEV, Dimitri;  
LINDAHL, Maria;  
TIMMUSK, Toenis;  
ROSSI, Jari  
PA LICENTIA LTD.;  
AIRAKSINEN, Matti;  
SAARMA, Mart;  
POTERIAEV, Dimitri;  
LINDAHL, Maria;  
TIMMUSK, Toenis;  
ROSSI, Jari  
DT Patent  
PI WO 2001062795 A1 20010830  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB  
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG  
AI WO 2000-FI994 A 20001114  
PRAI FI 2000-20000394 20000221  
ICM C07K014-71  
ICS A61K038-17; C12N005-16

L3 ANSWER 12 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2001062273 PCTFULL ED 20020822  
TIEN THE USE OF GDNF FAMILY-RELATED COMPOUNDS FOR MANUFACTURING PRODUCTS FOR

TREATING TESTICULAR TUMORS  
 TIFR UTILISATION DE COMPOSES DE LA FAMILLE GDNF POUR FABRIQUER DES PRODUITS  
 DESTINES AU TRAITEMENT DE TUMEURS TESTICULAIRES

IN SARIOLA, Hannu;  
 MENG, Xiaojuan;  
 HYVOENEN, Mervi;  
 LINDAHL, Maria;  
 SAARMA, Mart

PA SARIOLA, Hannu;  
 MENG, Xiaojuan;  
 HYVOENEN, Mervi;  
 LINDAHL, Maria;  
 SAARMA, Mart

DT Patent

PI WO 2001062273

A1 20010830

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
 DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
 KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
 UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL TJ TM TR TT TZ UA  
 AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB  
 GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML  
 MR NE SN TD TG

AI WO 2001-FI173

A 20010221

PRAI FI 2000-20000403

20000222

ICM A61K038-18

L3 ANSWER 13 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN

AN 2001:519912 BIOSIS

DN PREV200100519912

TI Characterization of mouse transmembrane GFRalpha4 as a GFRalpha subunit.  
 AU Piepponen, T. P. [Reprint author]; Yang, J.; Runeberg-Roos, P.; Saarma, M.  
 CS Dept. of Pharmacy, Div. of Pharmacology and Toxicology, University of  
 Helsinki, Helsinki, Finland

SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 953. print.  
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San  
 Diego, California, USA. November 10-15, 2001.  
 ISSN: 0190-5295.

DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 Nov 2001

Last Updated on STN: 23 Feb 2002

L3 ANSWER 14 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN

AN 2001:519911 BIOSIS

DN PREV200100519911

TI Initial characterization of GDNF family receptor GFRalpha4-deficient mice.  
 AU Hiltunen, P. H. [Reprint author]; Lindahl, M. [Reprint author]; Rossi, J.  
 [Reprint author]; Piepponen, T. P.; Timmusk, T. [Reprint author]; Saarma,  
 M. [Reprint author]; Airaksinen, M. S. [Reprint author]

CS Institute of Biotechnology, University of Helsinki, Helsinki, Finland

SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 953. print.  
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San  
 Diego, California, USA. November 10-15, 2001.  
 ISSN: 0190-5295.

DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 Nov 2001

Last Updated on STN: 23 Feb 2002

L3 ANSWER 15 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 2001:486949 BIOSIS  
DN PREV200100486949  
TI In vitro and in vivo characterization of neublastin, a nociceptive  
neuronal trophic factor.  
AU Rossomando, A. J. [Reprint author]; Pepinsky, B. [Reprint author]; Cai, K.  
[Reprint author]; Walus, L. [Reprint author]; Tse, A. [Reprint author];  
Carmillo, P. [Reprint author]; Worley, D. [Reprint author]; Choi, E.  
[Reprint author]; Miller, S. [Reprint author]; Sandroock, A. W. [Reprint  
author]; Buckley, C. [Reprint author]; Ehrenfels, C. [Reprint author];  
Calcutt, N. A.; Mizisin, A.; Sanicola, M. [Reprint author]; Cate, R.  
[Reprint author]; Sah, D. W. Y. [Reprint author]  
CS Biogen, Inc., Cambridge, MA, USA  
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 361. print.  
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San  
Diego, California, USA. November 10-15, 2001.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 17 Oct 2001  
Last Updated on STN: 23 Feb 2002

L3 ANSWER 16 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000018799 PCTFULL ED 20020515  
TIEN ARTEMIN, A NOVEL NEUROTROPHIC FACTOR  
TIFR L'ARTEMINE, UN NOUVEAU FACTEUR NEUROTROPHIQUE  
IN MILBRANDT, Jeffrey, D.;  
BALOH, Robert, H.  
PA WASHINGTON UNIVERSITY;  
MILBRANDT, Jeffrey, D.;  
BALOH, Robert, H.  
LA English  
DT Patent  
PI WO 2000018799 A1 20000406  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA  
ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU  
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
AI WO 1999-US22604 A 19990929  
PRAI US 1998-09/163,283 19980929  
US 1998-60/108,148 19981112  
US 1998-09/218,698 19981222  
ICM C07K014-47  
ICS C07K014-475; C12N005-10; C12N015-12; C12N015-16; C12N015-63; C12N015-64;  
A61K038-16; A61K038-17; A61K038-18; A61K039-395; A61K048-00

L3 ANSWER 17 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000017360 PCTFULL ED 20020515  
TIEN CYSTINE KNOT GROWTH FACTOR MUTANTS  
TIFR MUTANTS DU FACTEUR DE CROISSANCE A NOEUD DE CYSTINE  
IN WEINTRAUB, Bruce, D.;  
SZKUDLINSKI, Mariusz, W.  
PA UNIVERSITY OF MARYLAND, BALTIMORE;  
WEINTRAUB, Bruce, D.;  
SZKUDLINSKI, Mariusz, W.  
LA English  
DT Patent  
PI WO 2000017360 A1 20000330  
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD  
 SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM  
 KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
 CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
 CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-US5908 A 19990319  
 PRAI US 1998-PCT/US98/19772 19980922  
 ICM C12N015-16  
 ICS C07K014-59; C07K014-49; C07K014-475; C07K014-495; C07K014-47;  
 C07K014-51; C07K014-575; A61K038-24; G01N033-68

L3 ANSWER 18 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
 AN 2000010594 PCTFULL ED 20020515  
 TIEN THE USE OF GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR FAMILY-RELATED  
 COMPOUNDS FOR REGULATING SPERMATOGENESIS AND FOR PREPARING MALE  
 CONTRACEPTIVES  
 TIFR UTILISATION DE COMPOSES DE LA FAMILLE DU FACTEUR NEUROTROPHIQUE DERIVE  
 DE LIGNEES CELLULAIRES GLIALES POUR LA REGULATION DE LA SPERMATOGENESE  
 ET LA PREPARATION DE CONTRACEPTIFS MALES  
 IN SARIOLA, Hannu;  
 XIAOJUAN, Meng;  
 SALO, Mervi;  
 LINDAHL, Maria;  
 SAARMA, Mart  
 PA SARIOLA, Hannu;  
 XIAOJUAN, Meng;  
 SALO, Mervi;  
 LINDAHL, Maria;  
 SAARMA, Mart  
 LA English  
 DT Patent  
 PI WO 2000010594 A1 20000302  
 DS W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
 DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT  
 RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA  
 ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ  
 TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-FI687 A 19990820  
 PRAI FI 1998-981793 19980821  
 FI 1999-990415 19990226  
 ICM A61K038-18

L3 ANSWER 19 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
 AN 2000004050 PCTFULL ED 20020515  
 TIEN NEUROTROPHIC GROWTH FACTOR  
 TIFR FACTEUR DE CROISSANCE NEUROTROPHIQUE  
 IN GEERTS, Hugo, Alfonso;  
 MASURE, Stefan, Leo, Jozef;  
 MEERT, Theo, Frans;  
 CIK, Miroslav;  
 VER DONCK, Luc, August, Laurentius  
 PA JANSSEN PHARMACEUTICA N.V.;  
 GEERTS, Hugo, Alfonso;  
 MASURE, Stefan, Leo, Jozef;  
 MEERT, Theo, Frans;  
 CIK, Miroslav;  
 VER DONCK, Luc, August, Laurentius  
 LA English  
 DT Patent  
 PI WO 2000004050 A2 20000127  
 DS W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE



ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU  
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH  
 GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT  
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
 CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-EP5031 A 19990714  
 PRAI GB 1998-9815283.8 19980714  
 US 1999-09/248,772 19990212  
 US 1999-09/327,668 19990608  
 ICM C07K014-475  
 ICS C12N015-11; C12N015-63; C12N005-16; A61K038-18; G01N033-53; G01N033-68;  
 C12Q001-68

L3 ANSWER 20 OF 27 MEDLINE on STN DUPLICATE 1  
 AN 2001106013 MEDLINE  
 DN PubMed ID: 10958791  
 TI Mammalian GFRalpha -4, a divergent member of the GFRalpha family of  
 coreceptors for glial cell line-derived neurotrophic factor family  
 ligands, is a receptor for the neurotrophic factor persephin.  
 AU Masure S; Cik M; Hoefnagel E; Nosrat C A; Van der Linden I; Scott R; Van  
 Gompel P; Lesage A S; Verhasselt P; Ibanez C F; Gordon R D  
 CS Departments of Biotechnology and High-Throughput Screening and of  
 Biochemical Pharmacology, Janssen Research Foundation, Turnhoutseweg 30,  
 B-2340 Beerse, Belgium.. smasure@janbe.jnj.com  
 SO Journal of biological chemistry, (2000 Dec 15) 275 (50) 39427-34.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AJ294476  
 EM 200102  
 ED Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20010208

L3 ANSWER 21 OF 27 MEDLINE on STN DUPLICATE 2  
 AN 2001127917 MEDLINE  
 DN PubMed ID: 11079571  
 TI Glial cell line-derived neurotrophic factor (GDNF) is a proliferation  
 factor for rat C6 glioma cells: evidence from antisense experiments.  
 AU Wiesenhofer B; Weis C; Humpel C  
 CS Department of Psychiatry, University Hospital, Innsbruck, Austria.  
 SO Antisense & nucleic acid drug development, (2000 Oct) 10 (5) 311-21.  
 Journal code: 9606142. ISSN: 1087-2906.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200102  
 ED Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20010222

L3 ANSWER 22 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 AN 2001:70417 BIOSIS  
 DN PREV200100070417  
 TI Glial cell line-derived neurotrophic factor family receptors are  
 differentially regulated by focal ischemia in the rat brain.  
 AU Arvidsson, A. [Reprint author]; Kokaia, Z.; Airaksinen, M.; Saarma, M.;  
 Lindvall, O.  
 CS Wallenberg Neuroscience Center, University Hospital, SE-221 85, Lund,

Sweden

SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-288.13. print.  
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.  
ISSN: 0190-5295.

DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 Feb 2001  
Last Updated on STN: 12 Feb 2002

L3 ANSWER 23 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN

AN 1999:282222 BIOSIS

DN PREV199900282222

TI Changes in **GDNF**, **persephin** and **receptor** mRNA levels in a model of chronic denervation.

AU Hoke, Ahmet [Reprint author]; Zochodne, Douglas W. [Reprint author]

CS Calgary, AB, Canada

SO Neurology, (April 12, 1999) Vol. 52, No. 6 SUPPL. 2, pp. A530. print.  
Meeting Info.: 51st Annual Meeting of the American Academy of Neurology. Toronto, Ontario, Canada. April 17-24, 1999. American Academy of Neurology.  
CODEN: NEURAI. ISSN: 0028-3878.

DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)

LA English

ED Entered STN: 28 Jul 1999  
Last Updated on STN: 28 Jul 1999

L3 ANSWER 24 OF 27 MEDLINE on STN DUPLICATE 3

AN 1998245162 MEDLINE

DN PubMed ID: 9576965

TI GFRalpha3 is an orphan member of the **GDNF**/neurturin/**persephin receptor** family.

AU Baloh R H; Gorodinsky A; Golden J P; Tansey M G; Keck C L; Popescu N C; Johnson E M Jr; Milbrandt J

CS Department of Pathology and Internal Medicine, Molecular Biology, and Pharmacology, Washington University School of Medicine, 660 South Euclid Avenue, Box 8118, St. Louis, MO 63110, USA.

NC R01 AG13729 (NIA)  
R01 AG13730 (NIA)

SO Proceedings of the National Academy of Sciences of the United States of America, (1998 May 12) 95 (10) 5801-6.  
Journal code: 7505876. ISSN: 0027-8424.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-AF051766; GENBANK-AF051767

EM 199806

ED Entered STN: 19980708  
Last Updated on STN: 19980708  
Entered Medline: 19980619

L3 ANSWER 25 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN

AN 1999:52068 BIOSIS

DN PREV199900052068

TI Expression pattern of mRNA for **GDNF**, **persephin** and their **receptors** in peripheral nerve injury.

AU Hoke, A.; Cheng, C.; Zochodne, D. W.

CS Dep. Clin. Neurosci., Univ. Calgary, Alberta T2N 4N1, Canada  
SO Society for Neuroscience Abstracts, (1998) Vol. 24, No. 1-2, pp. 556.  
print.  
Meeting Info.: 28th Annual Meeting of the Society for Neuroscience, Part  
1. Los Angeles, California, USA. November 7-12, 1998. Society for  
Neuroscience.  
ISSN: 0190-5295.

DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)

LA English  
ED Entered STN: 10 Feb 1999  
Last Updated on STN: 10 Feb 1999

L3 ANSWER 26 OF 27 MEDLINE on STN DUPLICATE 4  
AN 1998150950 MEDLINE  
DN PubMed ID: 9491986  
TI Persephin, a novel neurotrophic factor related to GDNF and neurturin.  
AU Milbrandt J; de Sauvage F J; Fahrner T J; Baloh R H; Leitner M L; Tansey M  
G; Lampe P A; Heuckeroth R O; Kotzbauer P T; Simburger K S; Golden J P;  
Davies J A; Vejsada R; Kato A C; Hynes M; Sherman D; Nishimura M; Wang L  
C; Vandlen R; Moffat B; Klein R D; Poulsen K; Gray C; Garces A; Johnson E  
M Jr; +  
CS Washington University School of Medicine, St. Louis, Missouri 63110, USA.  
NC R01 AG13729 (NIA)  
R01 AG13730 (NIA)  
SO Neuron, (1998 Feb) 20 (2) 245-53.  
Journal code: 8809320. ISSN: 0896-6273.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AF040960; GENBANK-AF040961; GENBANK-AF040962  
EM 199803  
ED Entered STN: 19980326  
Last Updated on STN: 19980326  
Entered Medline: 19980313

L3 ANSWER 27 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2001002557 PCTFULL  
no bibliographic data available - please use FPI for PI information

- TI GFRalpha3 is an orphan member of the GDNF/neurturin/  
**persephin receptor** family.
- AB GDNF, neurturin, and persephin are transforming growth factor beta-related neurotrophic factors known collectively as the GDNF family (GF). GDNF and neurturin signal through a multicomponent receptor complex containing a signaling component (the Ret receptor tyrosine kinase) and either of two glycosyl-phosphatidylinositol-linked binding components (GDNF family **receptor** alpha components 1 and 2, GFRalpha1 or GFRalpha2), whereas the receptor for **persephin** is unknown. Herein we describe a third member of the GF coreceptor family called GFRalpha3 that is encoded by a gene located on human chromosome 5q31.2-32. GFRalpha3 is not expressed in the central nervous system of the developing or adult animal but is highly expressed in several developing and adult sensory and sympathetic ganglia of the peripheral nervous system. GFRalpha3 is also expressed at high levels in developing, but not adult, peripheral nerve. GFRalpha3 is a glycoprotein that is glycosyl-phosphatidylinositol-linked to the cell surface like GFRalpha1 and GFRalpha2. Fibroblasts expressing Ret and GFRalpha3 do not respond to any of the known members of the GDNF family, suggesting that GFRalpha3 interacts with an unknown ligand or requires a different or additional signaling protein to function.